

AGGIORNAMENTI TECNICI TECHNICAL UPDATES



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Dalla data del 12/03/2020 comunichiamo che la gamma di apparecchi della serie PLATINUM nelle configurazioni singolo , doppio ramo e custom possono essere forniti con opzione che prevede la trasmissione delle informazioni sullo stato di funzionamento e misura elettriche del sistema su **protocollo IEC61850** (server)

IEC 61850 è uno standard internazionale che definisce protocolli di comunicazione per dispositivi elettronici intelligenti **in sottostazioni elettriche** . Si tratta di una parte della Commissione Elettrotecnica Internazionale (IEC) 57 Comitato tecnico architettura di riferimento per energia elettrica sistemi.

Sono state effettuate prove di funzionamento mediante due software client IEDScout e IED Explor i cui screenshot vengono di seguito per testimoniare il corretto funzionamento ; la connessione è solo in lettura verso il nostro dispositivo.

From 12/03/2020 we inform you that the PLATINUM series rectifier in single, double branch and custom configurations can be supplied with the option that provides for the transmission of information on the operating status and electrical measurement of the system according to the IEC61850 protocol (server)

IEC 61850 is an international standard that defines communication protocols for intelligent electronic devices in **electrical substations**. It is a part of the International Electrotechnical Commission (IEC) 57 Technical Architecture Reference Committee for Electricity Systems.

Functional tests were carried out using two IEDScout and IED Explor client software, the screenshots of which are shown below to demonstrate correct operation; the connection is only read to our device.

The screenshot shows the IEDScout software interface. The main window displays a data model for a Gateway (Data Model + HD67735 + V). The data model is structured as follows:

LN	V	Value
DO	Vout RS	1239
DA	instMag	[MX] 1239
DA	q	[MX] good
DA	t	[MX] 01/01/2040 01:02:23.205
DO	Iout RS	575
DA	instMag	[MX] 575
DA	q	[MX] good
DA	t	[MX] 01/01/2040 01:02:23.205
DO	Pout	7124
DO	Iout RCB	33
DO	Vout RCB	1217
DO	% LOAD	95
DO	% BATT	170

The Activity Monitor window shows two data points: 1239 for Vout RS and 575 for Iout RS. The background features a schematic diagram of a power substation.

The screenshot shows the IED Explorer software interface. The left pane displays a tree view of the IEC 61850 data model. The right pane shows a table of data points:

Name	Type	Value	Communication Address
GatewayHD67735/V.Vout.1InstMag.i	integer	1070	Dom = GatewayHD67735 Var = V\$MXSVout.1InstMagS

The bottom of the screenshot shows a log window with the following information:

```

11/03/2020 10:02:52.647] Information: Reading domain (LD) names: [IEC61850_READ_NAMELIST_DOMAIN]
11/03/2020 10:02:52.678] Information: Reading variable names: [IEC61850_READ_NAMELIST_VAR]
11/03/2020 10:02:52.725] Information: Reading variable specifications: [IEC61850_READ_ACCESSAT_VAR]
11/03/2020 10:02:52.818] Information: Reading variable values: [IEC61850_READ_MODEL_DATA]
11/03/2020 10:02:52.928] Information: Reading named variable lists: [IEC61850_READ_NAMELIST_NAMED_VARIABLE_LIST]
11/03/2020 10:02:52.959] Information: Reading variable lists attributes: [IEC61850_READ_ACCESSAT_NAMED_VARIABLE_LIST]
  
```